

# Life Sciences



## Life Sciences in Indiana

- Indiana is one of the nation's top four life science leaders in terms of the number and concentration of life science jobs (Battelle Memorial Institute, 2006)
- Indiana gained jobs in life sciences at more than twice the national average from 2001-2003, rising 4.5 percent compared with the 2 percent national increase
- Indiana has the second-highest concentration of biopharmaceutical jobs in the nation
- Indiana ranks eighth in the nation for projected biopharmaceutical job increases from 2004-2014
- The Indiana health industry has 275,000 direct employees (9 percent of all jobs in Indiana)
- 18 percent, or \$69 billion, of Indiana's economic output is tied to the health industry
- Indiana is home to more than 4,800 high-tech firms and over 500 life science companies

### LIFE SCIENCES PLAYERS IN INDIANA

- |                        |                         |
|------------------------|-------------------------|
| • Baxter               | • Dow AgroSciences      |
| • Bayer Diagnostics    | • Eli Lilly and Company |
| • Beckman Coulter      | • Hill-Rom              |
| • Boston Scientific    | • Pfizer                |
| • Biomet               | • Roche Diagnostics     |
| • Bristol-Myers Squibb | • Schwarz Pharma        |
| • Cook Group           | • WellPoint             |
| • DePuy Orthopedics    | • Zimmer                |

Several Indiana life sciences companies lead their industry: WellPoint ranks third in health insurance, Eli Lilly ranks fourth in pharmaceuticals and Zimmer is fifth in medical products and equipment. (*Fortune Magazine*, Feb. 2006) The state's pharmaceutical sector ranks fifth in the United States in terms of sales and employment. Orthopedics is an \$8 billion industry in Indiana, with three Warsaw-based companies—Biomet, DePuy and Zimmer—controlling 30 percent of the overall global market in orthopedic joint replacement. Indiana is home to groundbreaking research in such fields as bio-engineering/tissue engineering, genomics/proteomics, bio-informatics and nanotechnology.

## Life Sciences Initiatives

- *Biocrossroads* ([www.biocrossroads.com](http://www.biocrossroads.com))—aimed at developing specific collaborations between and within the region's research universities, government and private industry
- *Indiana Health Industry Forum* ([www.ihif.org](http://www.ihif.org))—devoted to creating an environment where Indiana is a premier location for the creation and growth of successful health industry enterprises
- *Indiana Genomics Initiative*—creates a world-class biomedical enterprise built on existing strengths at IU's School of Medicine and Office of Information Technology. The School of Medicine currently holds \$130 million in research funding, which includes funding for the nation's only federally-sponsored gene vector production and research facility

## Tax Incentives

Along with incentives offering support for infrastructure, training and payroll-based tax credits, new incentives have been designed to stimulate business:

- *Technology Enhancement Certification for Hoosiers (TECH)*—new \$1 million program designed specifically to help existing Indiana workers gain new technological skills
- *Hoosier Business Investment Tax Credit (HBI)*—added transportation, distribution and logistical equipment purchases to the list of equipment qualifying for HBI



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Continued from page 1

## Education

Indiana's higher education institutions are rich with life sciences curricula and resources:

### BALL STATE UNIVERSITY

- Nation's #1 wireless campus
- Human Performance Laboratory
- Miller College of Business

### INDIANA UNIVERSITY

- IU School of Medicine
- Center for Genomics and Bioinformatics
- Gill Center for Biomolecular Science
- IU Research and Technology Corporation
- IU Emerging Technologies Center
- Kelley School of Business

### IUPUI

- School of Informatics
- Collaboration in the Life Sciences and Informatics Research (CLSIR)
- The Regenstrief Institute

### IVY TECH COMMUNITY COLLEGE

#### Biotechnology Programs Serve:

- Medical Manufacturing
- Pharmaceuticals
- Agriculture

### PURDUE UNIVERSITY

- Purdue Research Foundation
- Purdue Discovery Park
- Purdue Research Park
- College of Engineering
- College of Veterinary Medicine

### ROSE-HULMAN INSTITUTE OF TECHNOLOGY

- Rose-Hulman Ventures
- Biomedical engineering degree
- #1 Master's level engineering school in the nation

### UNIVERSITY OF NOTRE DAME

- Notre Dame Energy Center
- Center for Nano Science and Technology
- Radiation Laboratory

## Workforce

- *Technology Recruitment Program*—helps Indiana businesses recruit students from Indiana as well as neighboring states
- *Brain Gain Project*—creates both internship and cooperative opportunities linking Indiana universities with Indiana businesses
- *Flexibility*—Indiana has a seasoned workforce with Transportation, Distribution & Logistics (TDL) expertise. The progressive mindset of Indiana's TDL sector is a motivator for economic growth.
- *Talent*—Indiana's skilled workforce has deep roots in supply-chain management from a manufacturing and academic climate. The state's institutions of higher learning strongly support that talent.
- *Technology*—Indiana is investing in and applying new technologies and the latest scientific discoveries, highlighted by the success of Indiana's life sciences industry.

